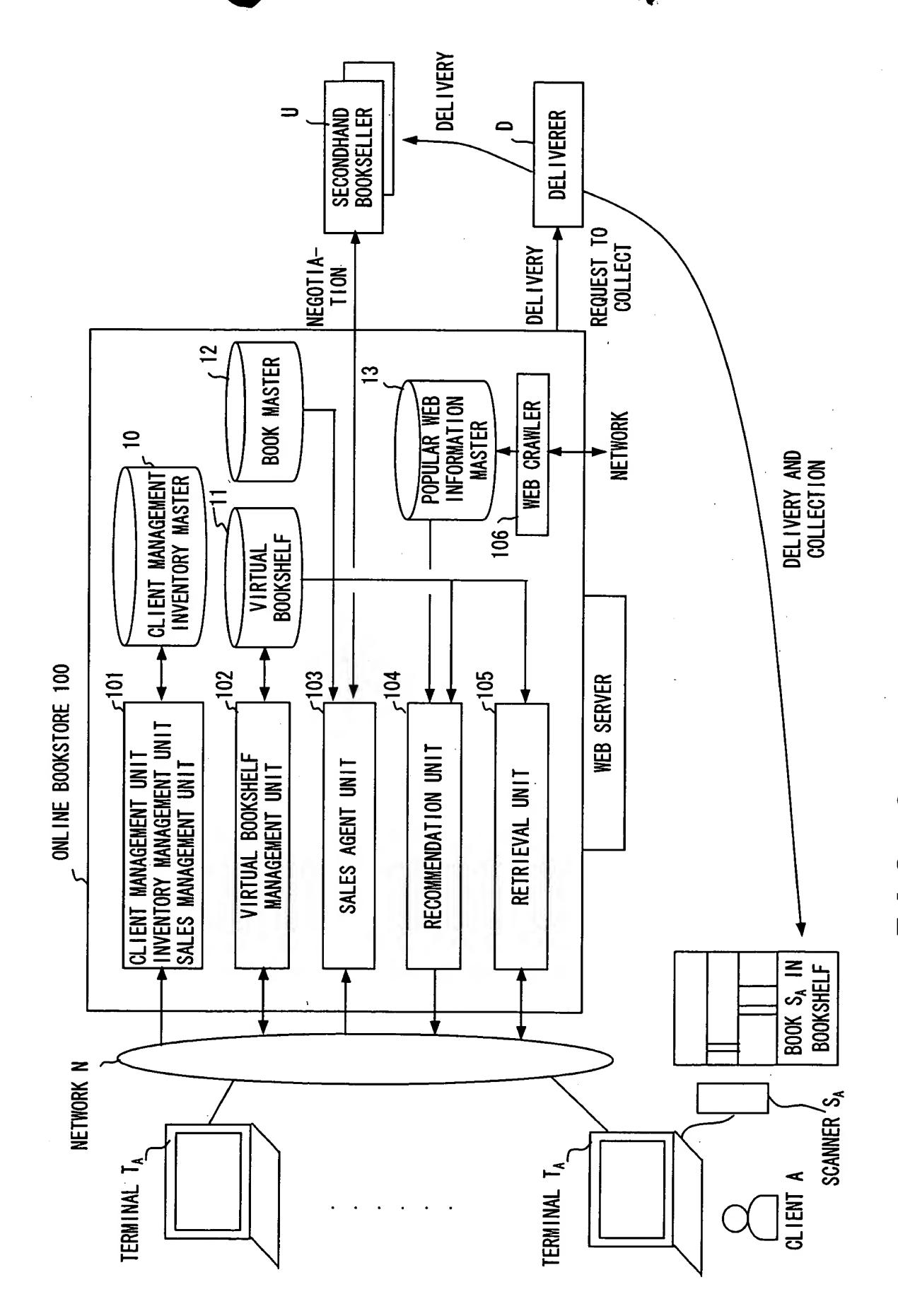


. Б Т



,r

F I G. 2

VIRTUAL BOOKSHELF 11 O: NOT OWNED 1: OWNED (EXCLUDING 2) 2: PURCHASED 3: UNNECESSARY (OWNED, EXCLUDING 4) HOW MANY BOOKS WRITTEN BY 4: UNNECESSARY (PURCHASED) THE AUTHOR ARE OWNED? BOOK AUTHOR ID ID B1, B2, B3, B4····· W1, / W2, W3, W4····· CLIENT CLIENT ID ID 130000... 010000 **A1 A1** 0200000-----**1040**····· **A2 A2 A3 A3 A4 A4** VIRTUAL BOOKSHELF BY BOOK 111 VIRTUAL BOOKSHELF BY AUTHOR 112

FIG. 3A

FIG. 3B

CLIENT ID × BOOK ID	ENTRY DATE	PUBLIC FLAG	COMMENT OR NOTE	
(A1,B2) (A2,B2) (A2,B4)	20001020 20001130 20001101 	1 0 0 	THIS BOOK IS NOT INTERESTING OBVIOUSLY PRESENTED BY XX	

PERSONAL COMMENT TABLE 113

FIG. 3C

BOOK ID	AUTHOR I D	AUTHOR NAME	TITLE OF BOOK	PUBLISHER NAME	PUBLISHE D DATE	ISBN	
B2	W1,W2	ххх,ууу	ZZZZZ	นนนน	1997	4-333	
B4	W3	aaaa	bbbb	ننند	1998	0-243···	
		•••••					

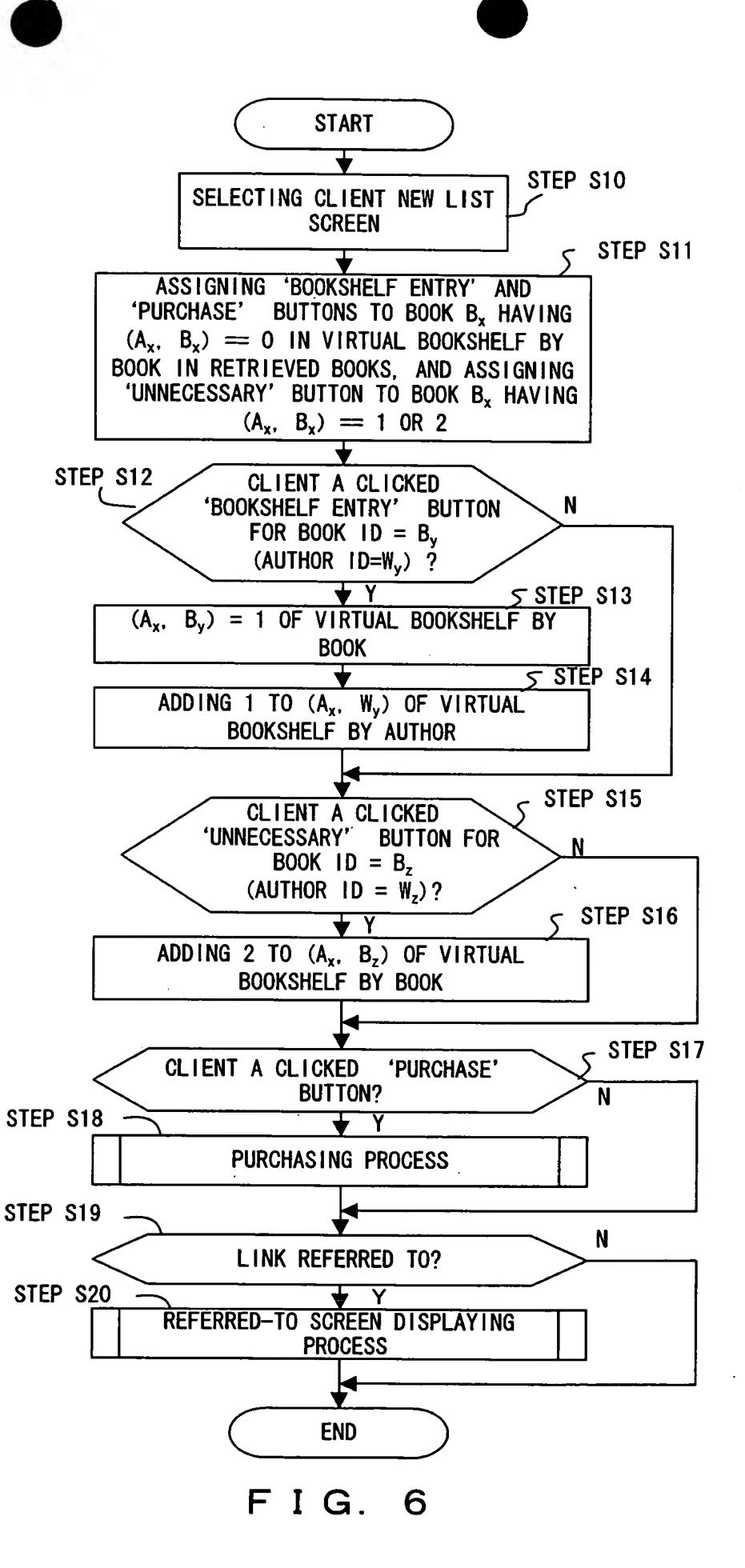
BOOK MATER 12

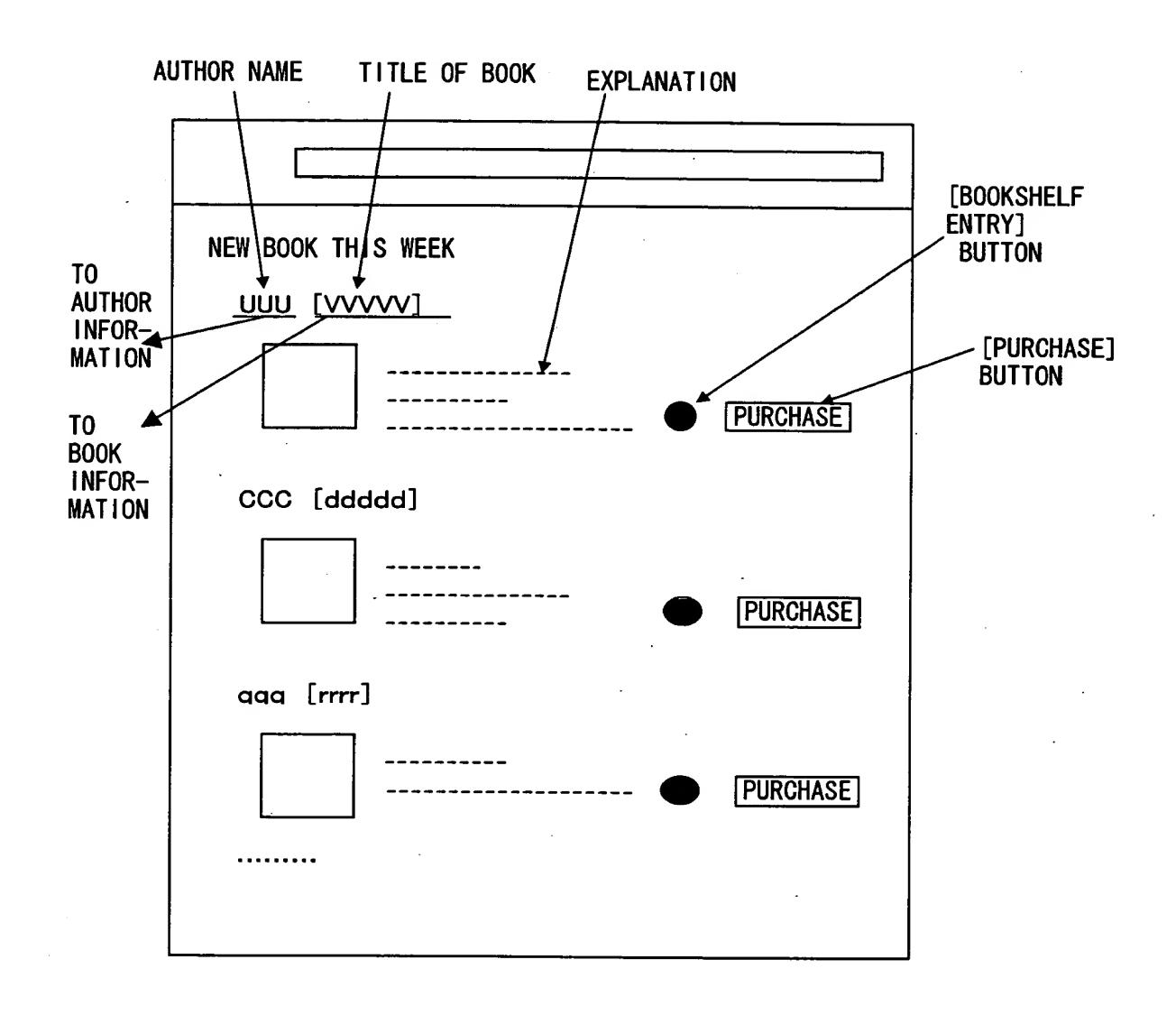
F I G. 4

URL	TITLE/SUMMARY	BOOK ID	AUTHOR ID	POPULARITY	COLLECTED DATE
aaa/bbb	tttt	12	2,3	126	20001223
****		•			
	77 - T.,			<u> </u>	•

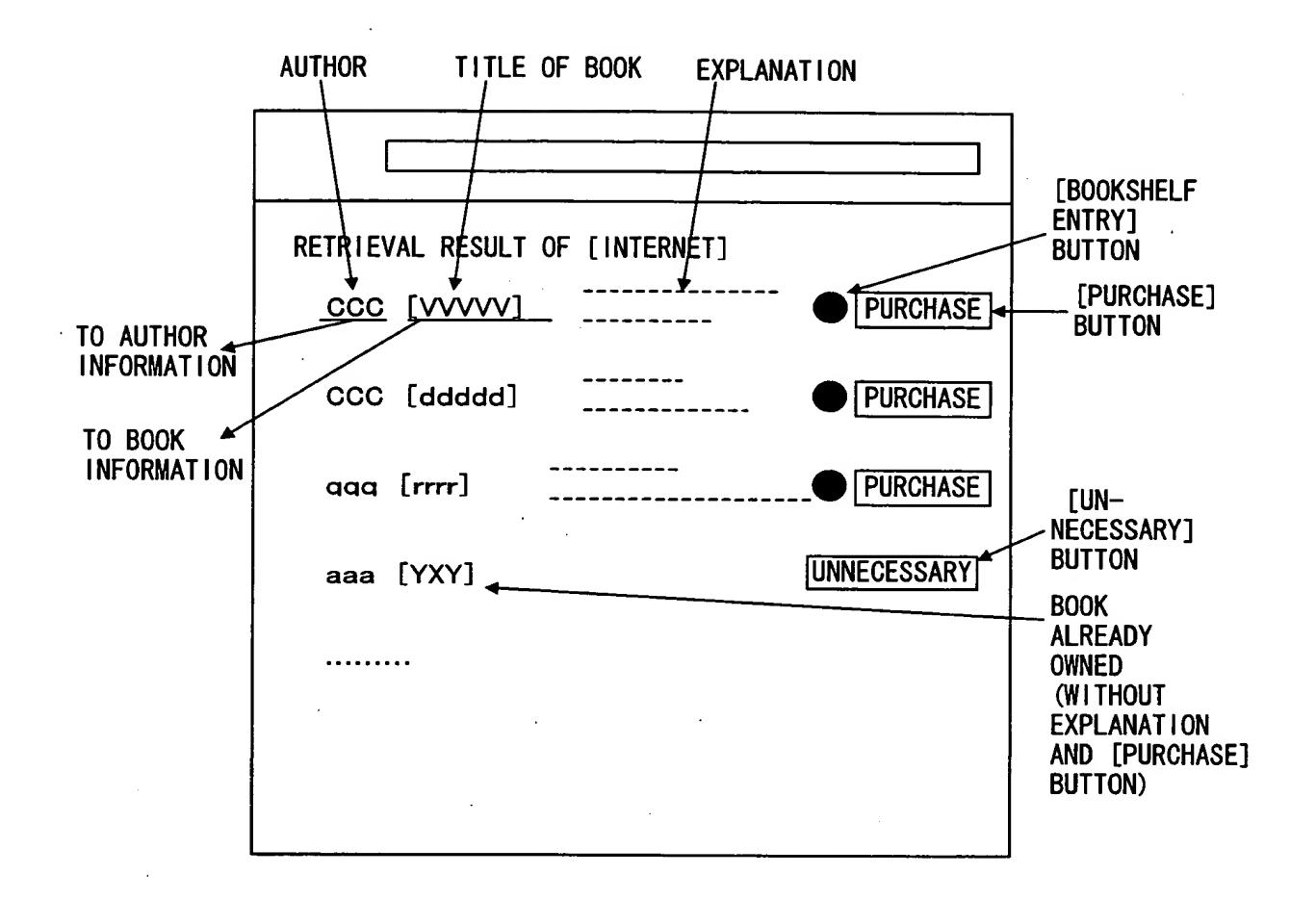
POPULAR WEB DOCUMENT MASTER 13

F I G. 5

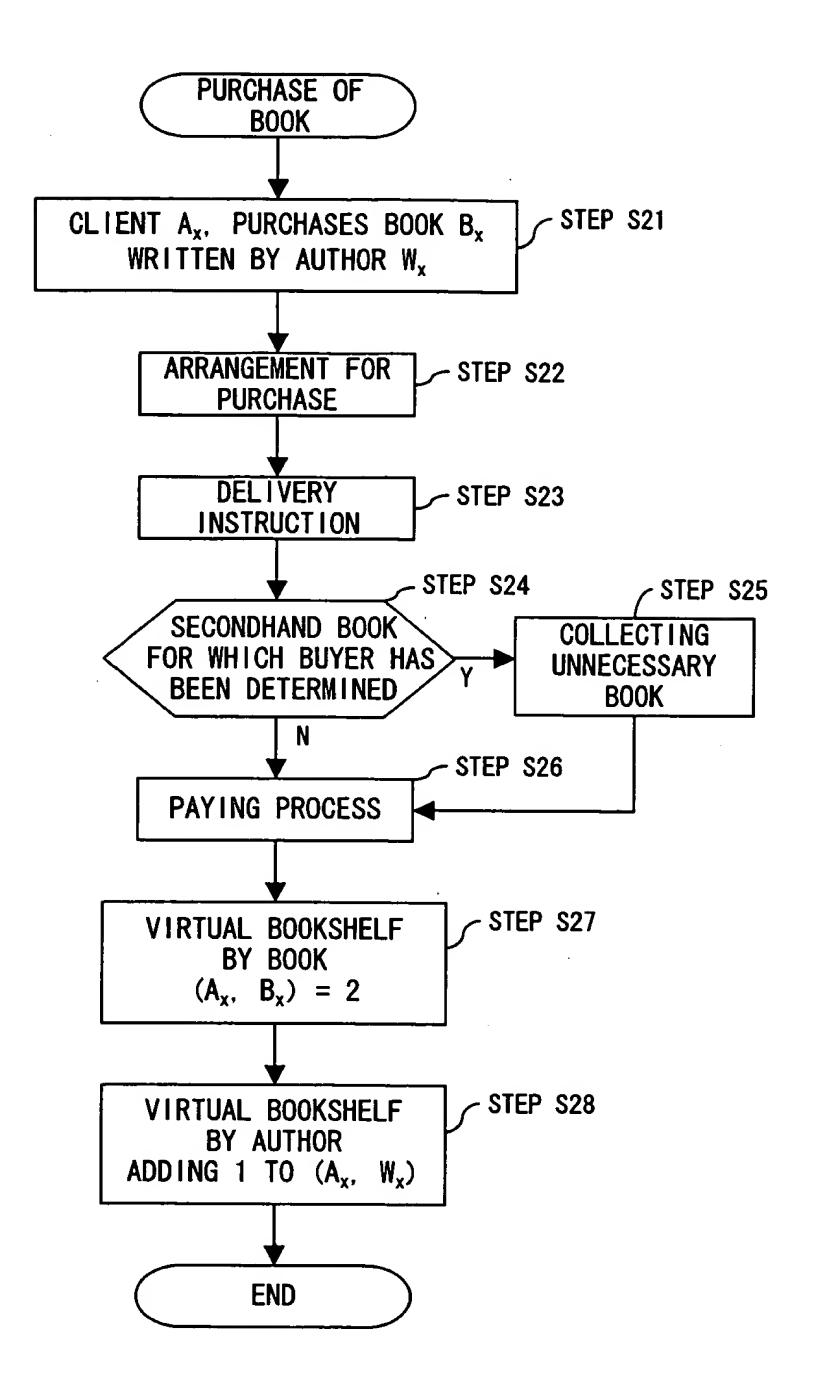




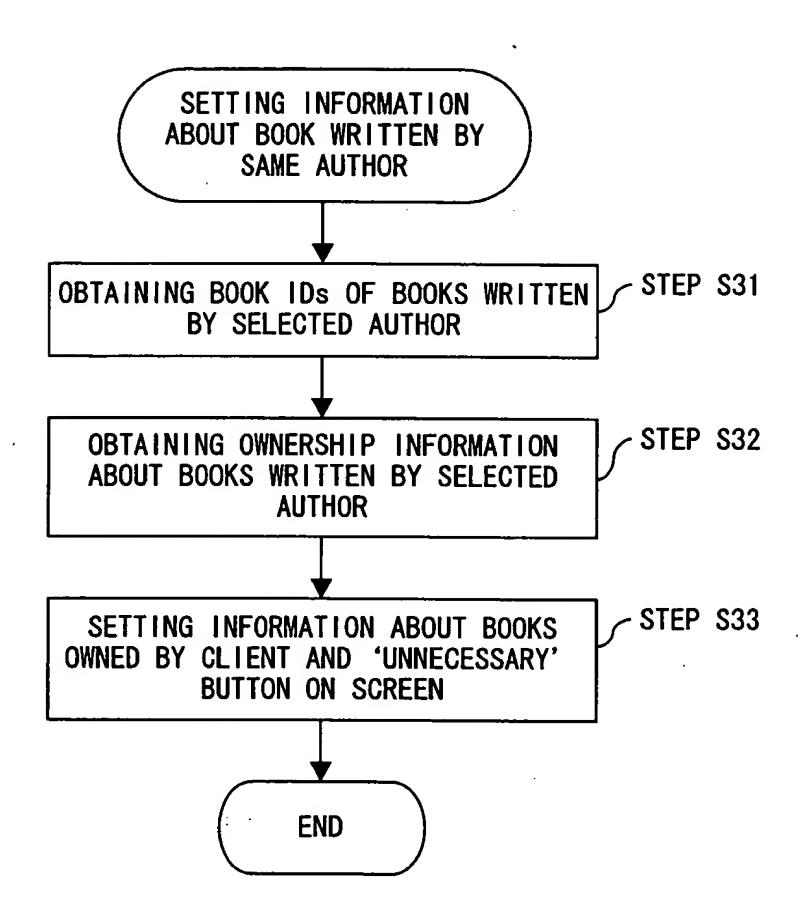
F I G. 7



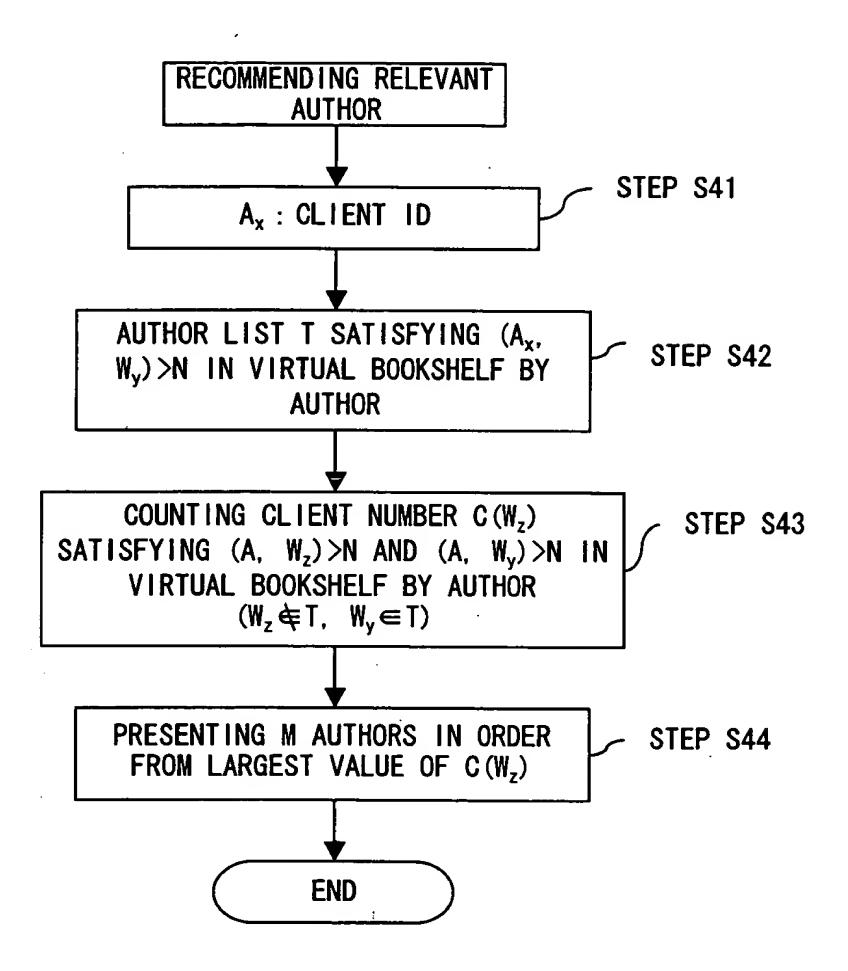
F I G. 8



F I G. 9



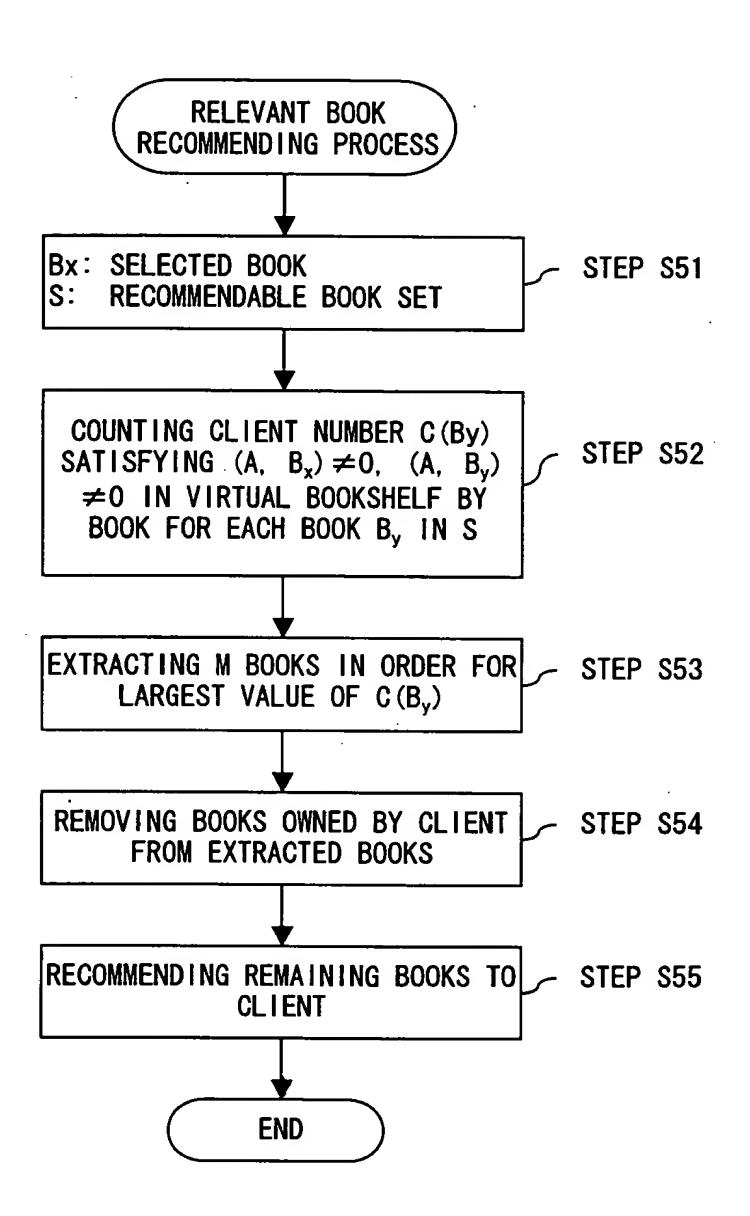
F I G. 10



F I G. 11

AUTHOR UUU	[UNNECESSARY] BUTTON
OWNED BOOK aaaaa	[BOOKSHELF ENTRY] BUTTON
RECOMMENDED BOOK cccc ddddd PURCHASE PURCHASE	[PURCHASE] BUTTON
HOW ABOUT BOOKS WRITTEN BY THESE AUTHORS?	RELEVANT AUTHOR RECOMMENDATION
RELEVANT URL XXXXXXXXX AUTHOR INFORMATION DISPLAY SCREEN	

F I G. 12



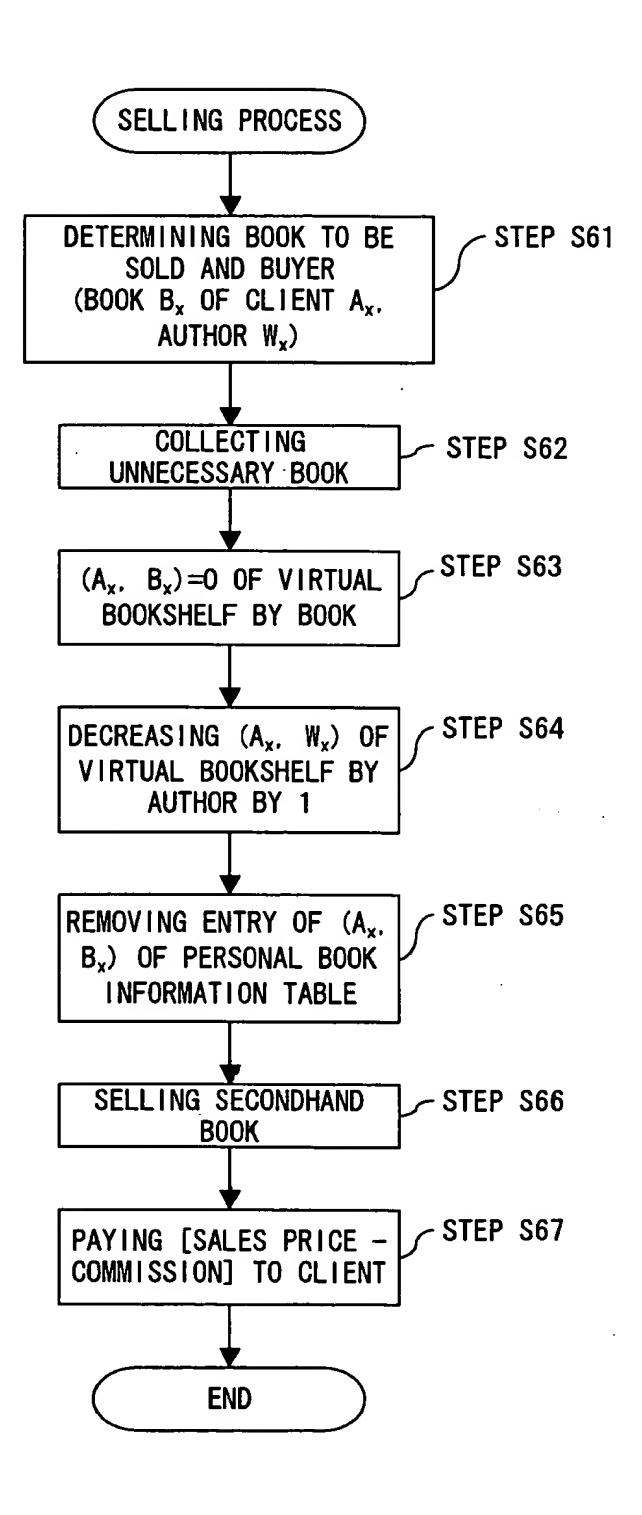
F I G. 13

AUTHOR uuu TITLE OF BOOK vvv PUBLISHER: XXX BOOK COMPANY PUBLISHED DATE: 1999.10 ISBN 4-222 EXPLANATION: PURCHASE	[BOOKSHELF ENTRY] BUTTON [PURCHASE] BUTTON
OPINION OF PERSONS OWNING THE BOOK Mr. A: Mr. B: OTHER BOOKS FREQUENTLY OWNED BY PERSONS OWNING THE BOOK uuuuu[vvvvv2] kkkkk[bbbbb] RELEVANT URL	RELEVANT BOOK RECOMMENDA- TION INFORMATION

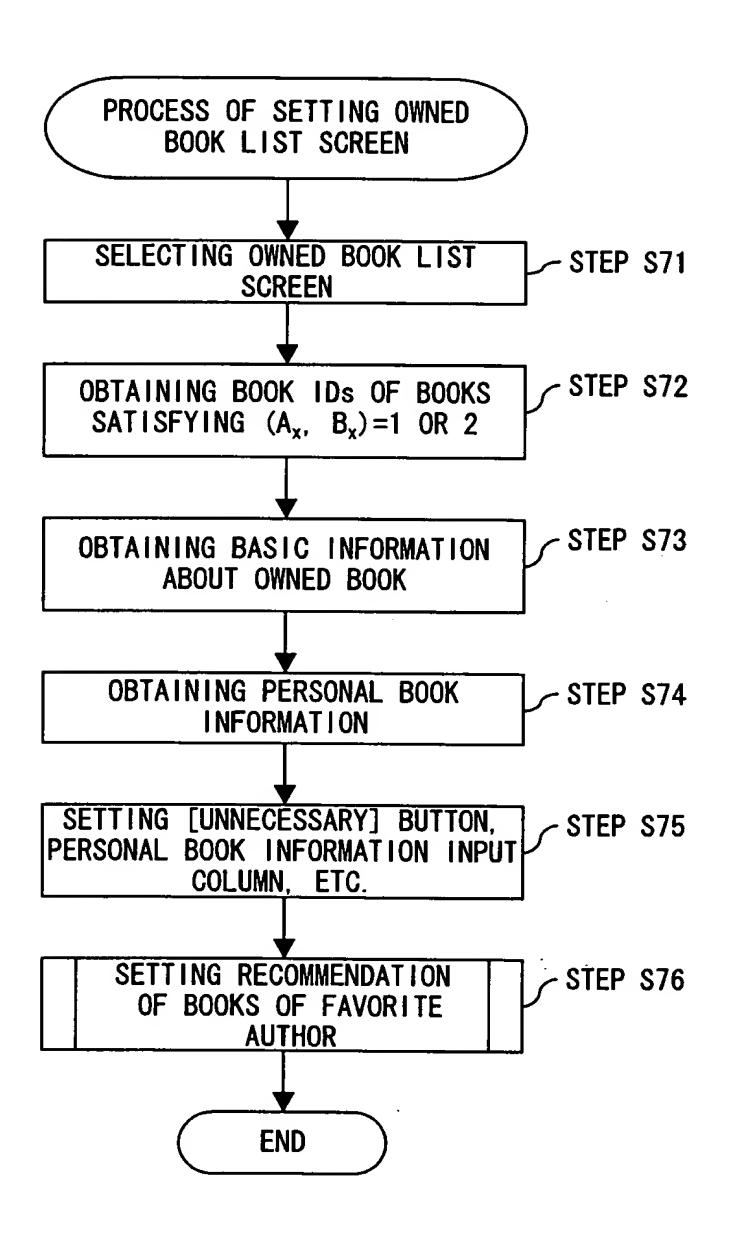
F I G. 14

PUBLISHER XXXX BOOK COMPANY PUBLISHED DATE: 1999.10 ISBN 4-222	Y DATE: 19991203 MEMO UBLIC/NOT PUBLIC UNNECESSARY OOK	OPINION COMMENT (EDITABLE) CONDITION FOR PUBLICATION [UNNECESSARY] BUTTON
Mr. A:	ERSONS OWING	

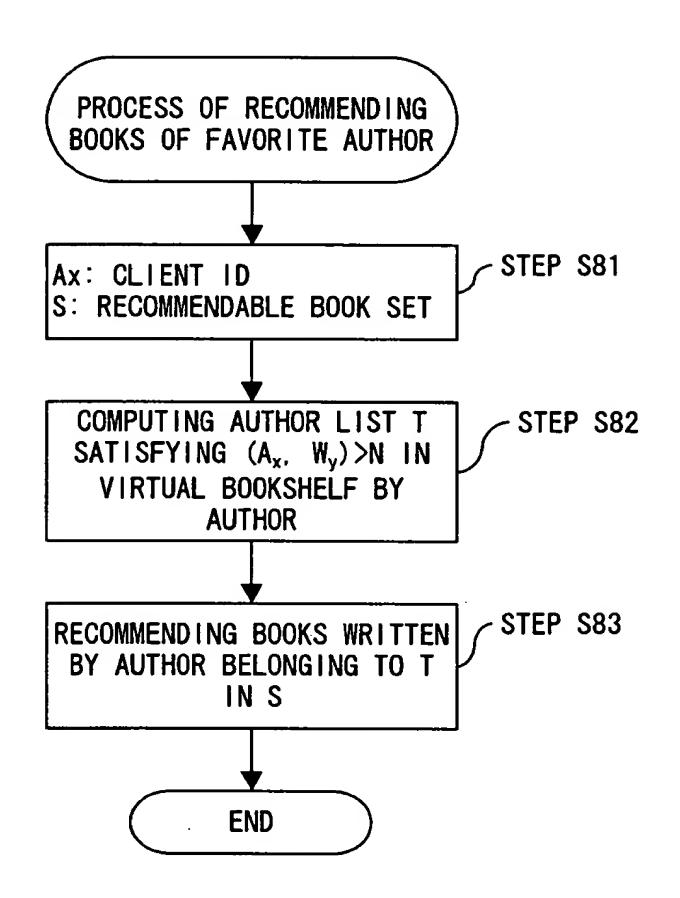
F I G. 15



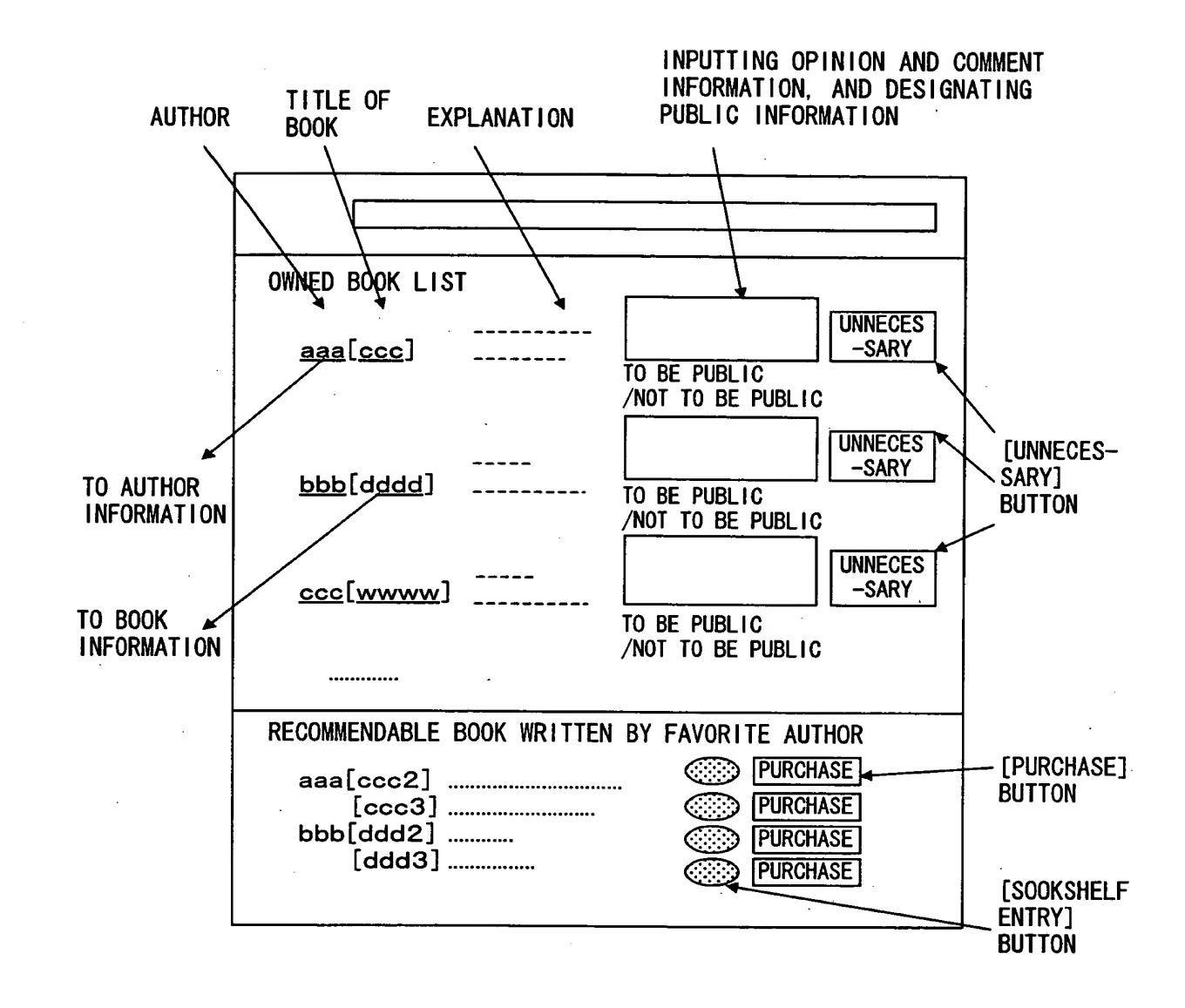
F I G. 16



F I G. 17



F I G. 18



F I G. 19

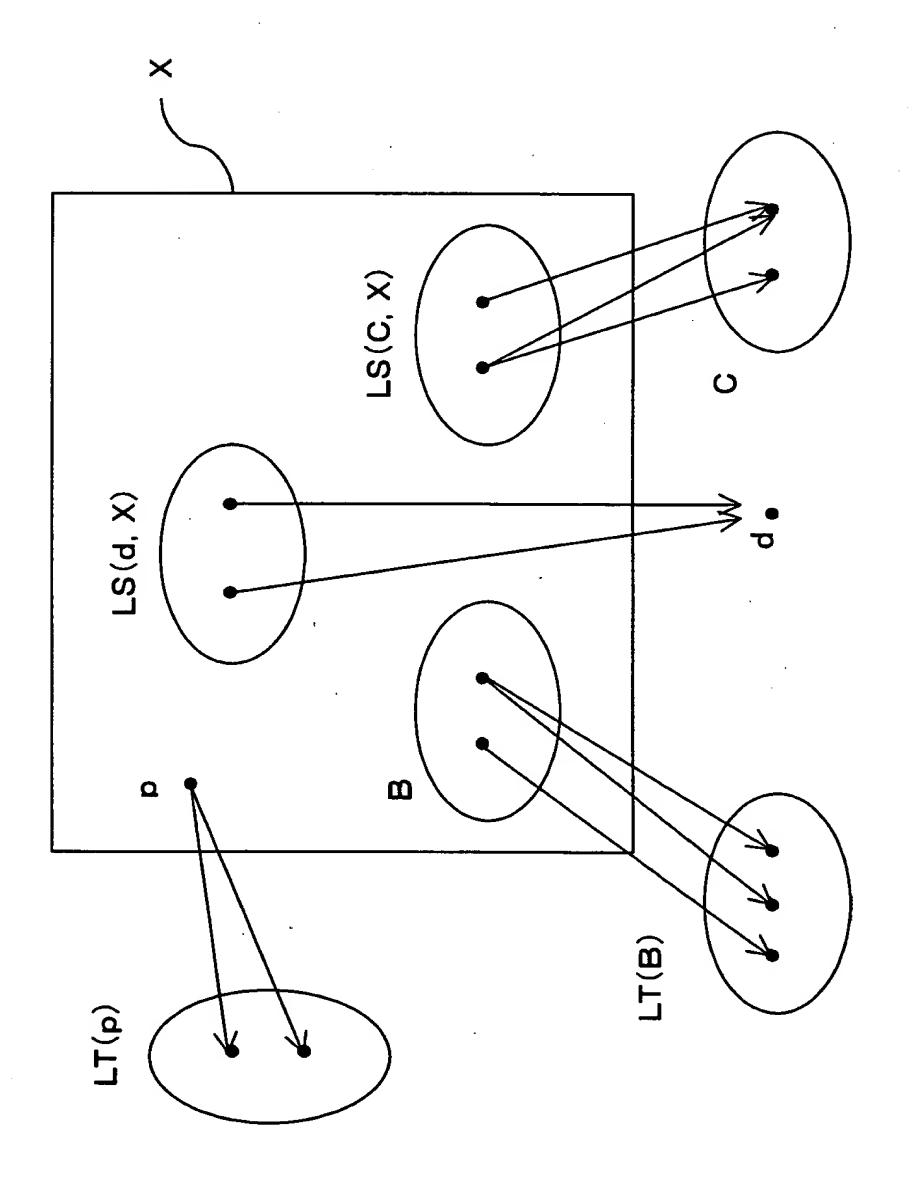
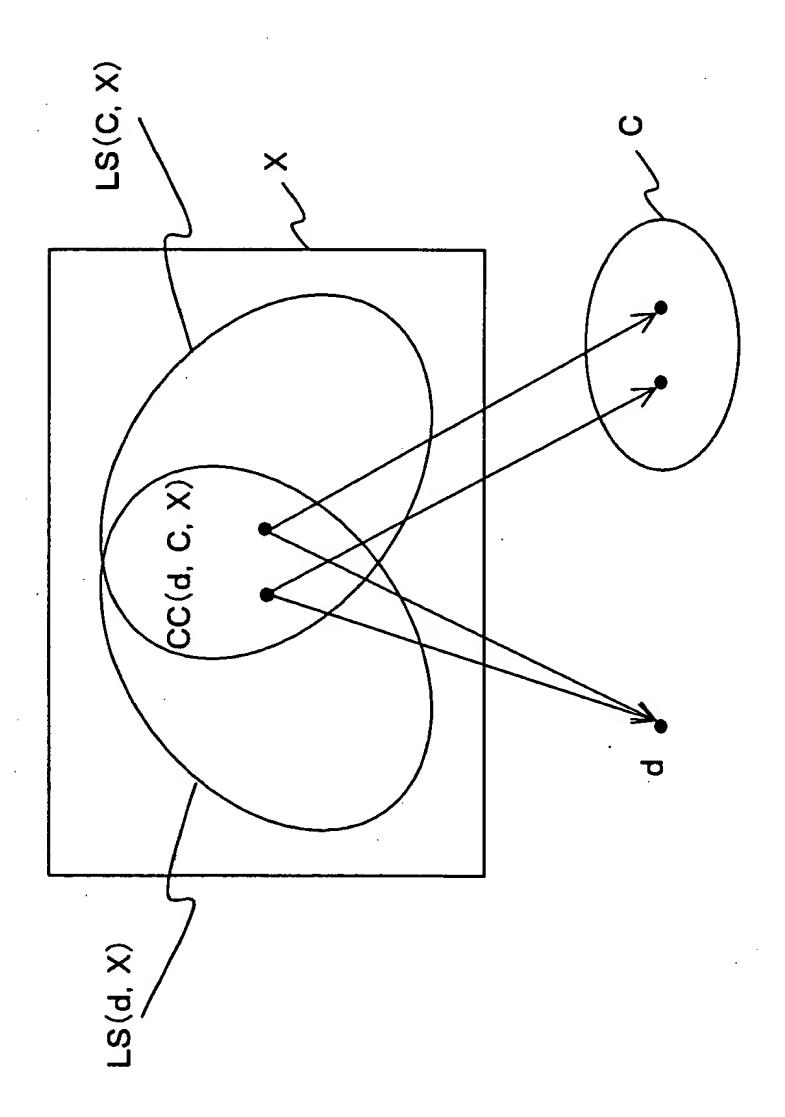
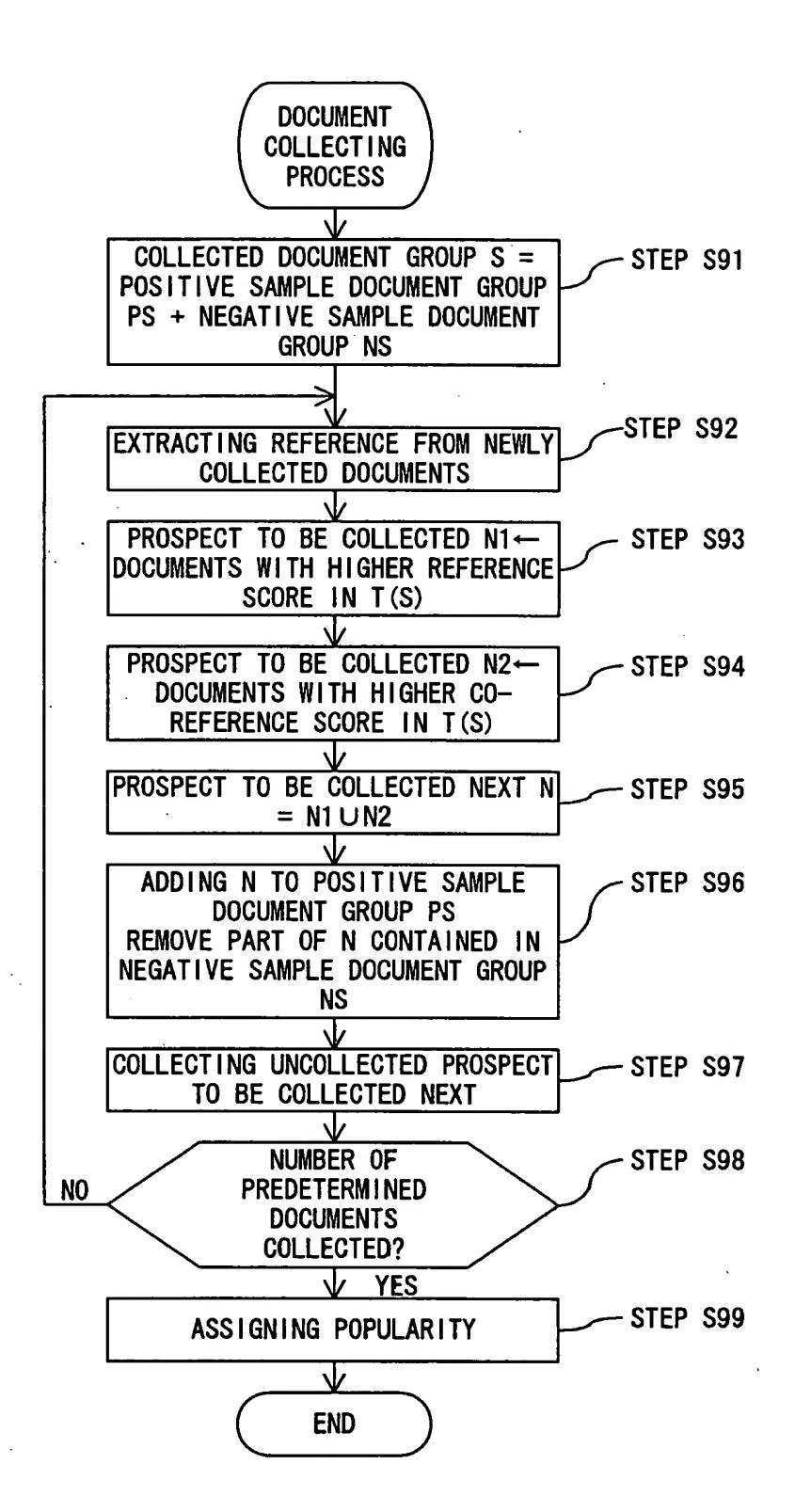


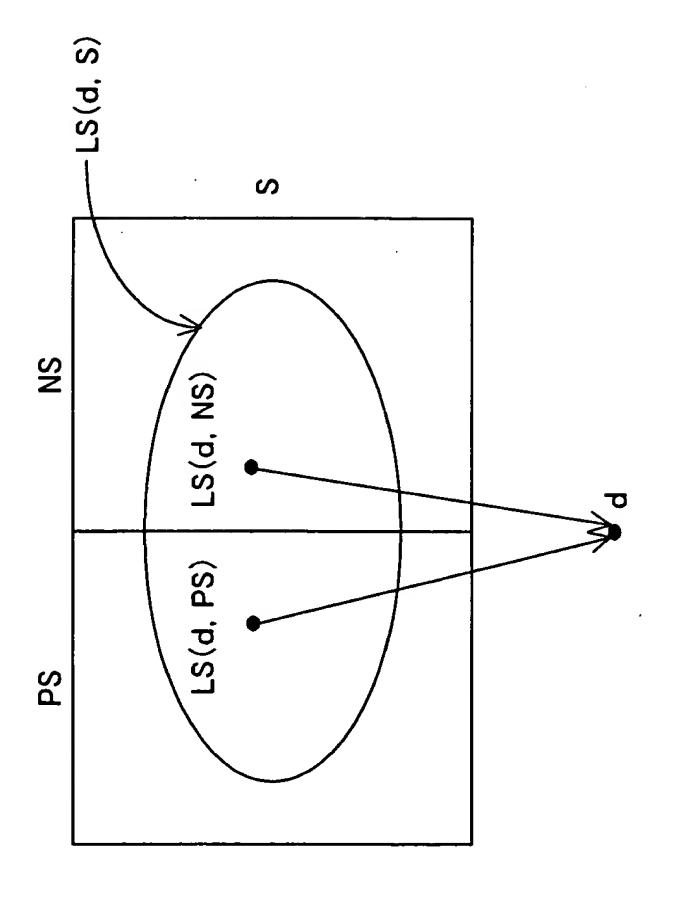
FIG. 20



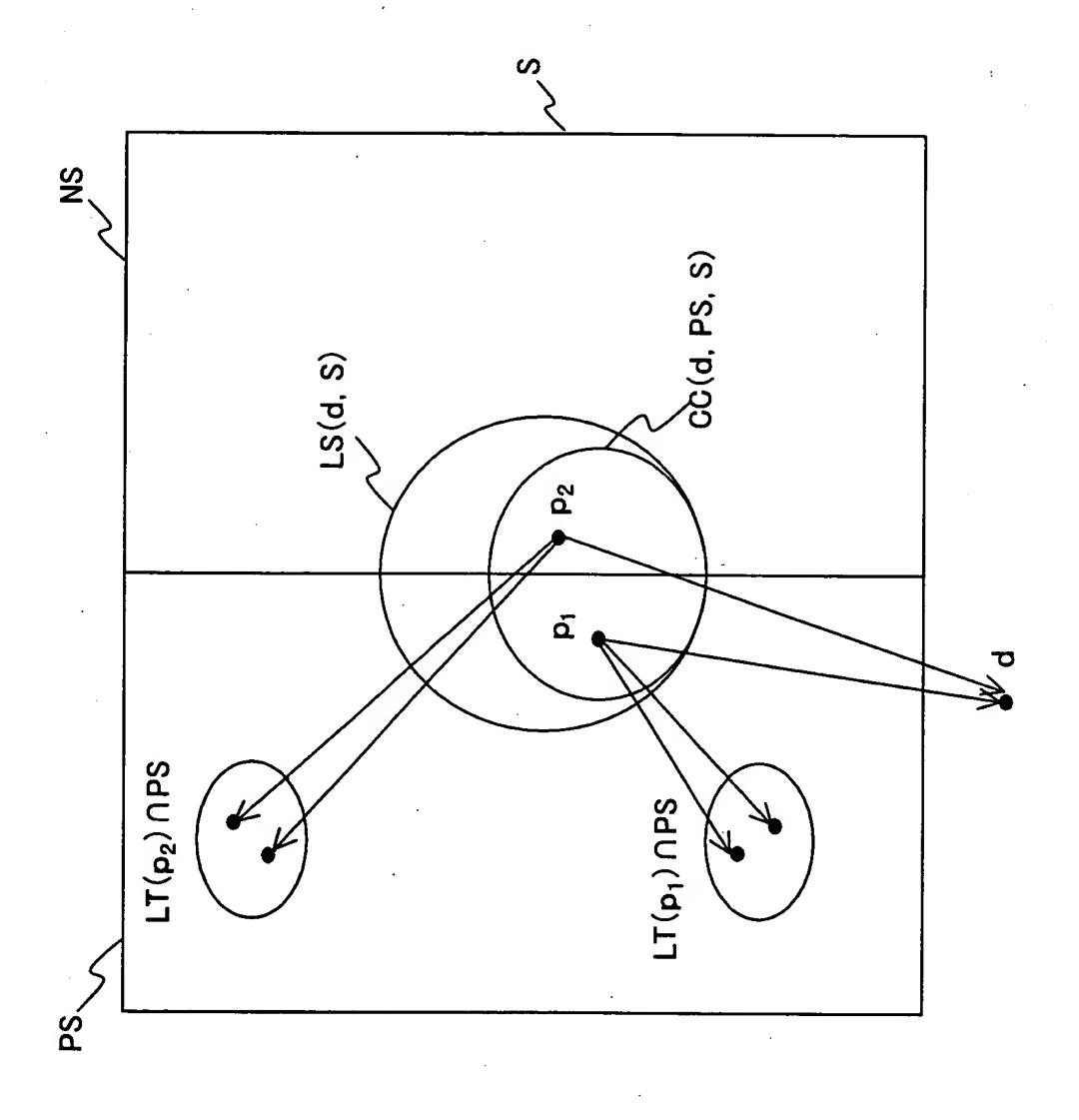
F I G. 21



F I G. 22



= 1 G. 23



F I G. 24

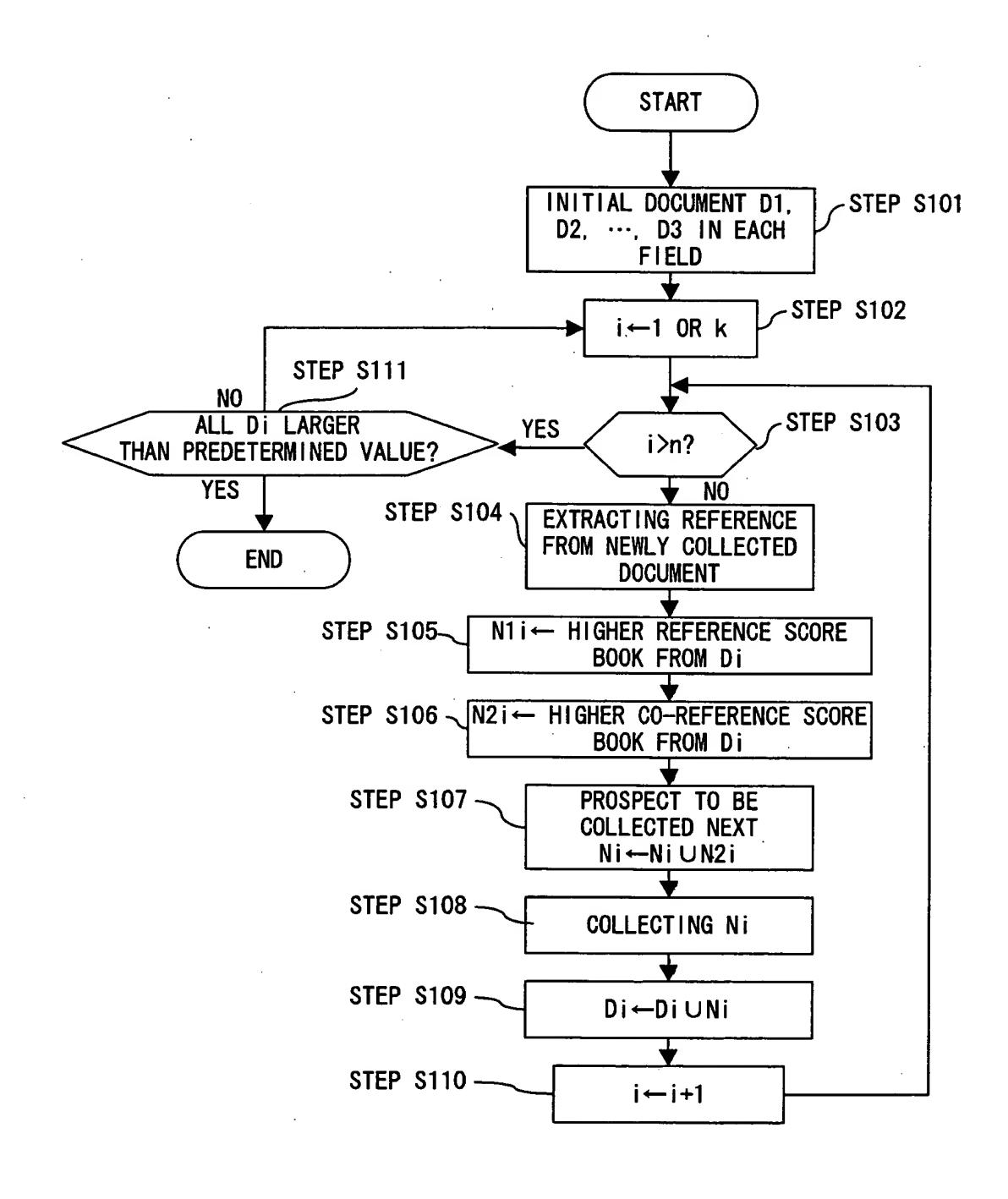


FIG. 25

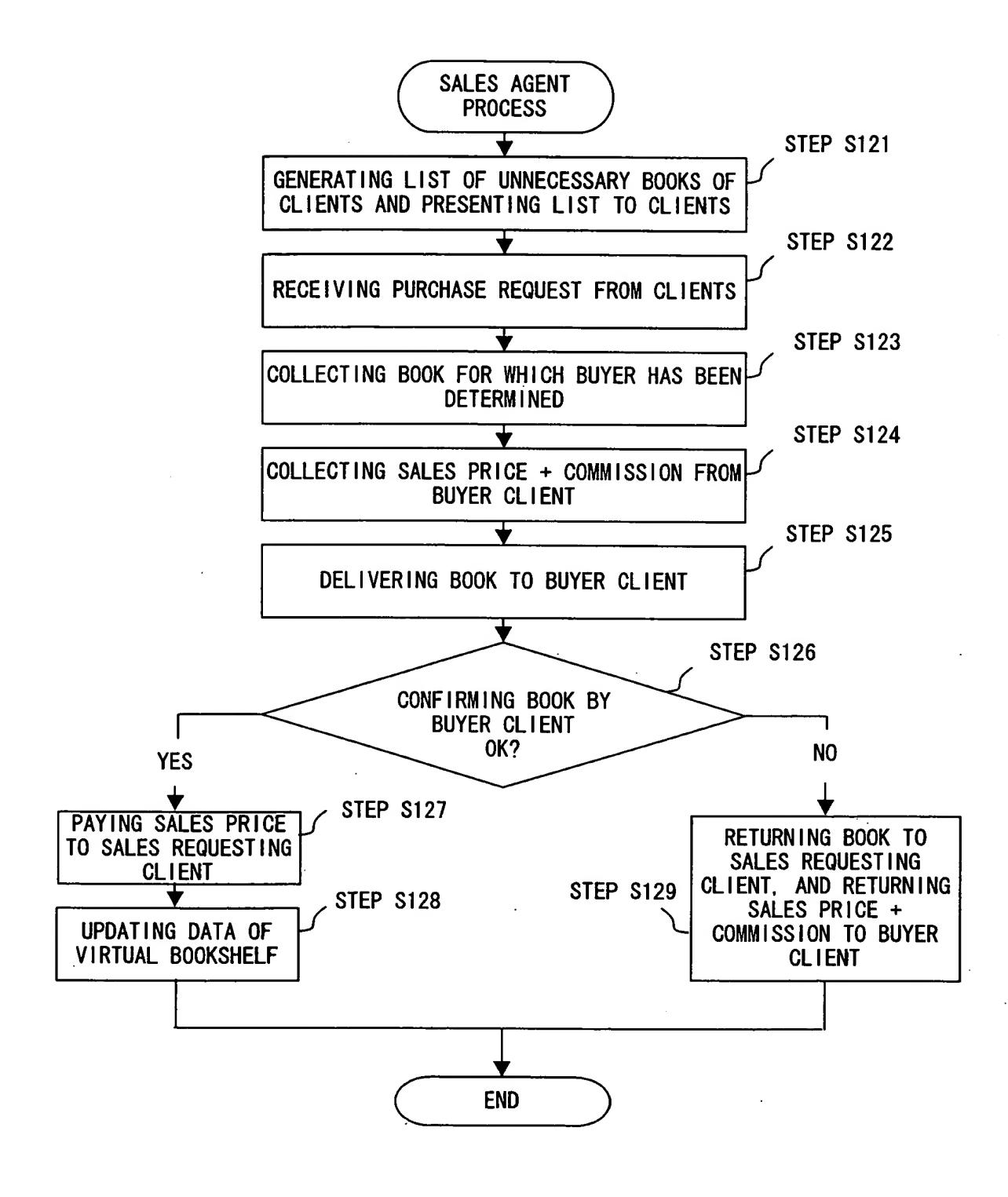
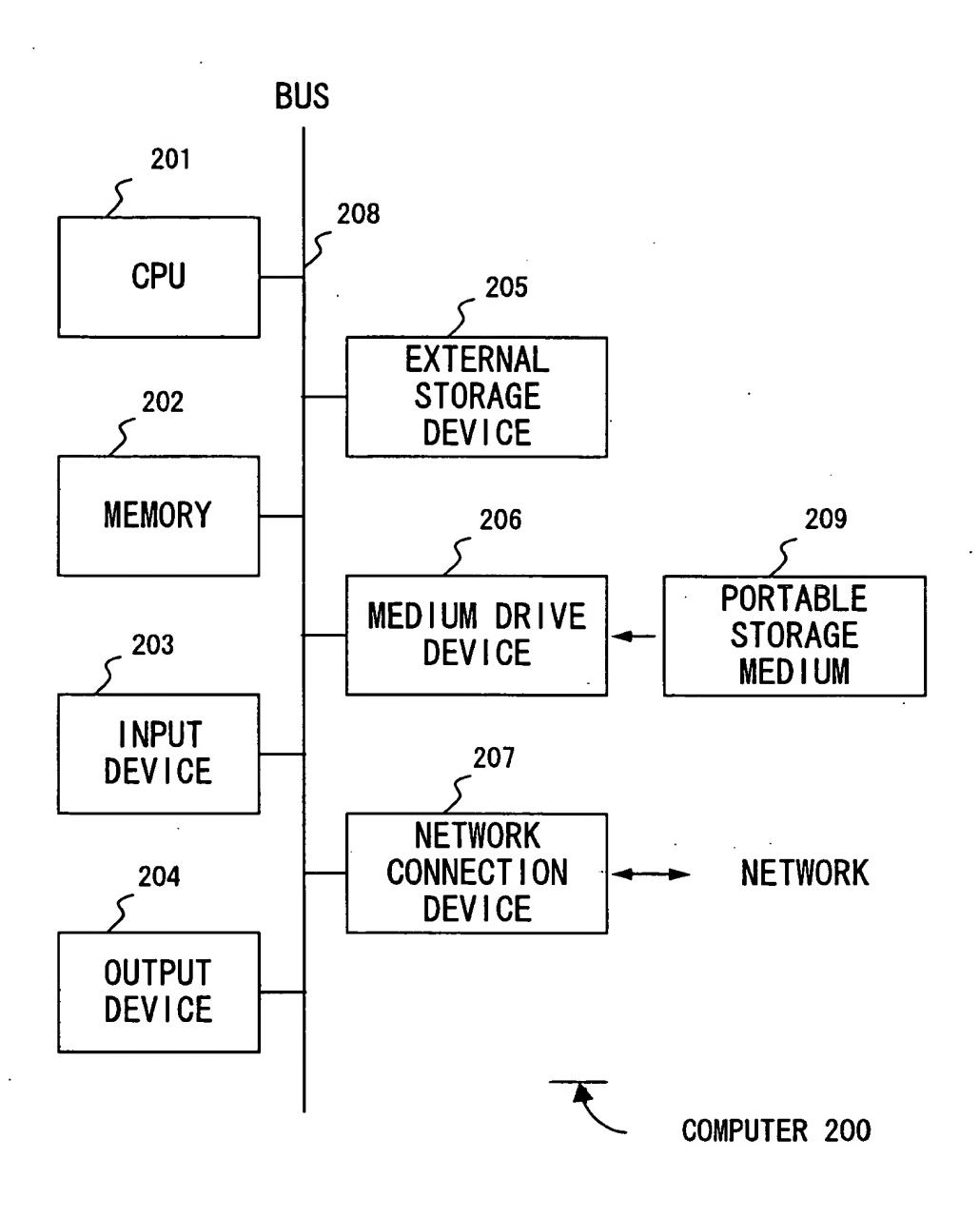
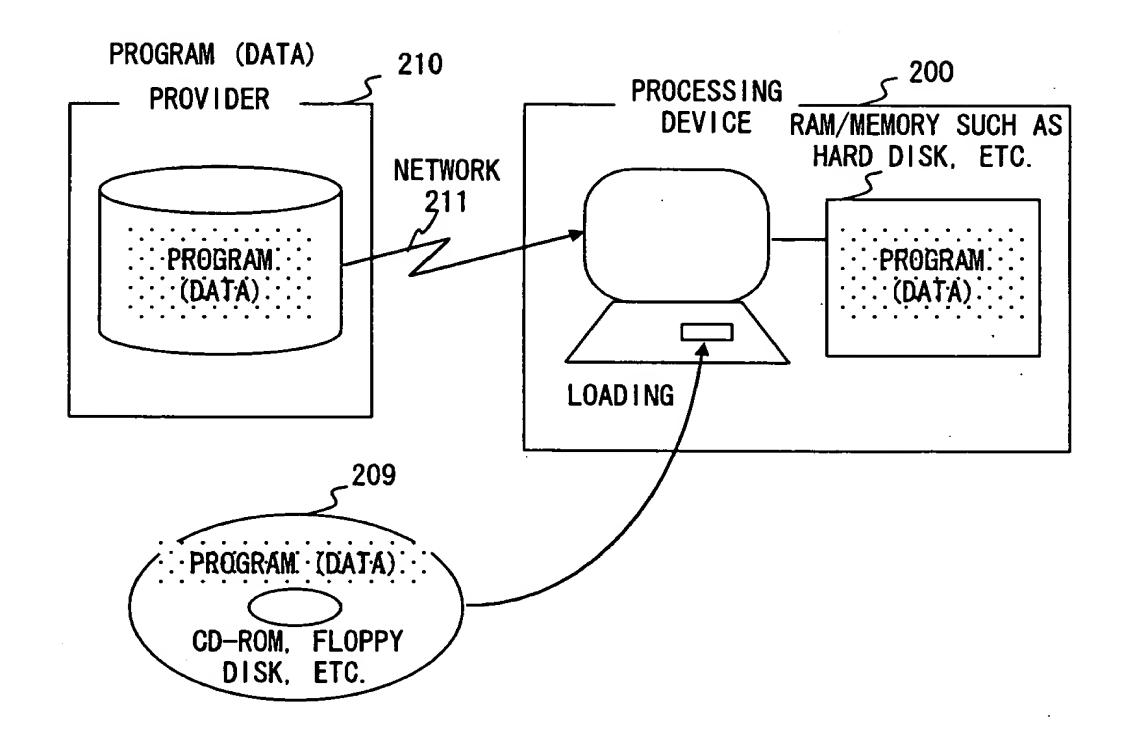


FIG. 26



F I G. 27



F I G. 28